

**AMENDMENTS TO THE CLAIMS**

This listing and version of the claims replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1-66. (Cancelled)

67. (Currently amended) A sealant region for encapsulating at least one display device comprising:

an organic polymer first-material layer formed over one or more layers of material including a dielectric layer, the one or more layers of material disposed over a first substrate having a pixel within a display region, the organic polymer first-material layer disposed over the pixel and extending from the display region to a sealant region, the organic polymer first-material layer comprising a plurality of substantially parallel openings formed therethrough, the parallel openings exposing a surface of the one or more layers of material; and

a predetermined sealant formed over the sealant region perpendicular to the openings and attaching a second substrate,

wherein the sealant is disposed over and contacts the organic polymer first-material layer and is disposed within the openings and contacts the exposed surface of the one or more layers of material, the sealant sealing the sealant region between the first and second substrates, and

wherein the sealant in the openings is balanced along a center axis of the sealant region and has substantially flat contact surfaces with the organic polymer first-material layer and the exposed surface of the one or more layers of material.

68. (Previously presented) The sealant region of claim 67 wherein the openings have a uniform width.

69. (Canceled)

70. (Canceled)

71. (Canceled)

72. (Canceled)

73. (Previously presented) The sealant region of claim 67, wherein a width of the openings is narrower than a total width of the sealant region.

74. (Withdrawn) A display device, the display device comprising a display region and a sealant region according to claim 67, the sealant region having a width and surrounding the display region, wherein the one or more layers of material cover at least one pixel within the display region, each of the openings is substantially parallel to the width of the sealant region and exposes part of the one or more layers of material, and the second substrate is disposed on the sealant for attaching thereon.

75. (Withdrawn) The display device of claim 74, wherein the first substrate comprises a device substrate.

76. (Withdrawn) The display device of claim 74, wherein the second substrate comprises a shield substrate.

77. (Withdrawn) The display device of claim 74, wherein the one or more layers of material comprise a passivation layer.

78. (Withdrawn) The display device of claim 74, wherein the one or more layers of material comprise a dielectric layer.

79. (Withdrawn) The display device of claim 74, wherein the first material layer comprises an organic polymer layer.

80. (Withdrawn) The display device of claim 74, wherein the openings have a uniform width.

81. (Withdrawn) The display device of claim 74, wherein a width of the openings is narrower than the width of the sealant region.

82. (Withdrawn) The display device of claim 74, wherein the opening is balanced along a center axis of the sealant region.

83. (Withdrawn) The display device of claim 74, wherein the opening has a saw-tooth form.

84. (Withdrawn) The display device of claim 83, wherein the saw-tooth form is modified to avoid sharp angles.

85. (Withdrawn) The display device of claim 74, wherein the opening has an interlaced form.

86. (Withdrawn) The display device of claim 74, wherein the first substrate having a plurality of organic light emission pixel in the display region.

87. (New) A sealant structure for encapsulating at least one display device, the display device comprising a first substrate and a second substrate with a display region and a sealant region therebetween, the sealant region having a width and surrounding the display region, the sealant structure comprising:

a dielectric layer formed over the first substrate;

an organic polymer layer formed over the dielectric layer and defining a plurality of substantially parallel openings in the sealant region exposing a surface of the dielectric layer, wherein the plurality of substantially parallel openings are balanced along a center axis of the sealant region; and

a sealant formed in the sealant region perpendicular to the plurality of substantially parallel openings and attaching the first substrate to the second substrate,

wherein the sealant is disposed over and contacts the organic polymer layer and is disposed within the openings and contacts the exposed surface of the dielectric layer, the sealant sealing the sealant region between the first and second substrates, and

wherein the sealant has substantially flat contact surfaces with the organic polymer layer and the exposed surface of the dielectric layer.

88. (New) The sealant structure of claim 87, wherein the first substrate is a device substrate.

89. (New) The sealant structure of claim 87, wherein the second substrate is a shield substrate.

90. (New) The sealant structure of claim 87, wherein the plurality of substantially parallel openings have a uniform width.

91. (New) The sealant structure of claim 87, wherein the plurality of substantially parallel openings have a saw-tooth form.

92. (New) The sealant structure of claim 91, wherein the saw-tooth form is modified to avoid sharp angles.

93. (New) The sealant structure of claim 87, wherein the plurality of substantially parallel openings have an interlaced form.

94. (New) The sealant structure of claim 87, wherein a width of the plurality of substantially parallel openings is narrower than a total width of the sealant region.

95. (New) The sealant structure of claim 87, wherein the first substrate includes a plurality of organic light emitting pixels in the display region.